AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

August - 1961

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WEATHER BUREAU

Jourdy Press — Tel. : 243010

AUGUST 1961

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	53.3	52.7	52.4	52.8	32.3	25.5	29.5	31.5	27.0	29.3
2	52.3	52.3	52.9	52.5	32.0	24·5	29.0	31.0	26.9	29.0
3	54.2	54.1	54.6	54.3	32.5	24.5	29.0	31.7	27.0	29.2
4	56.0	55.9	55.9	55.9	32.4	24.2	28.4	31.5	26.6	28.8
5	56.0	55.5	55.5	55.7	31.6	24.8	28.5	30.8	26.0	28.4
6	55.9	55.1	54.9	55.3	30.5	24.5	28.0	30.0	26.2	28.1
7	55.3	54.3	54.4	54.7	32.2	24.9	28.2	31.1	27.0	28.8
8	54.5	54.4	55.0	54.6	32.1	24.5	29.0	31.0	27.0	29.0
9	55.5	55.4	56.1	55.7	32.0	24.6	29.0	30.3	26.5	28.6
10	56.4	56.1	55.6	56.0	30.8	24.8	27.5	29.5	26.0	27.7
11	55.2	54.2	53.8	54.4	32.4	24.8	28.5	31.5	27.5	29.2
12	54.4	55.1	55.6	55.0	32.6	25.5	29.0	31.5	27.2	29.2
13	55.9	56.1	56.3	56.1	33.0	25.6	29.5	31.7	27.3	29.5
14	57.1	56.3	56.8	56.7	32.5	25.0	29.7	31.1	26.7	29.2
15	56.0	54.6	54.2	54.9	31.8	25.3	27.9	30.7	27.4	28.7
16	53.8	53.1	53.3	53.4	32.9	25.3	28.5	32.4	27.5	29.5
17	52.7	52.3	52.6	52.5	33.2	25.1	29.0	32.5	27.5	29.7
18	53.6	53.9	54.5	54.0	33.1	24.3	28.8	31.5	27.5	29.3
19	56.2	56.1	56.6	56.3	32.0	24.5	28.5	31.4	27.2	29.0
20	57.3	56.8	57.0	57.0	31.0	24.2	28.0	30.0	26.2	28.1
21	57.0	55.8	55.8	56.2	32.2	24.5	28.4	32.0	27.0	29.1
22	55.7	54.2	54.2	54.7	32.1	24.4	28.5	31.0	26.7	28.7
23	54.3	53.8	54.2	54.1	32.1	23.3	28.6	30.7	26.5	28.6
24	55.2	55.2	55.9	55.4	32.2	23.9	28.7	31.0	26.5	28.7
25	56.5	56.2	56.5	56.4	30.2	24.4	27.5	29.6	26.0	27.7
26	57.2	57.3	57.0	57.2	30.6	25.0	27.6	29.6	26.1	27.8
27	57.0	56.0	55.6	56.2	31.2	24.1	28.5	28.6	26.2	27.8
28	54.9	54.4	54.7	54.7	32.0	23.9	28.1	31.0	26.5	28.5
29	54.5	54.3	54.3	54.4	30.5	25.3	28.0	29.8	27.5	28.4
30	54.4	54.3	55.4	54.7	31.7	24.7	28.4	31.5	27.0	29.0
31	55.4	55.7	56.8	56.0	32.0	23.7	28.5	31.4	26.2	28.7
	55.28	54.89	55.11	55.09	31.92	24.63	28.52	30.93	26.79	28.75

Barometer, range 757.3 mm — 752.3 mm
» 82-yrs. average 756.00 mm.
Thermometer, range 33.2 °C — 23.3 °C
« 82-yrs. average 27.8 °C
Rain. total for month 0.00 mm
« 82-yrs. average for month 0.5 mm
« total from Sept. 1st. 848.44 mm
« 82-yrs. average from Sept. 1st. 892.96mm

AUGUST 1961
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20 30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m m
1	29.3	29.3	28.5	29.0	71	63	80	71	11.8	393	
2	25.2	27.4	27.6	26.7	63	61	78	67	11.5	340	
3	28.3	28.8	28.5	28.5	71	62	80	71	12.0	204	
4	28.9	28.4	28.3	28.5	74	60	81	72	12.1	154	
5	25.9	26.0	25.7	25.9	66	59	76	67	12.3	95	
6	24.0	25.0	26.1	25.0	64	59	76	66	11.5	85	
7	27.5	27.1	27.5	27.4	72	60	77	70	12.1	113	
8	26.8	26.9	23.6	25.8	67	60	66	64	9.5	190	
9	23.7	24.5	24.0	24.1	59	56	69	61	11.0	138	
10	22.0	23.3	24.5	23.3	59	55	73	62	10.1	85	
11	26.2	27.9	28.4	27.5	67	60	73	67	11.6	150	
12	28.3	30.1	30.0	29.4	71	65	83	73	11.6	156	
13	26.7	29.4	20.9	25.7	64	63	57	61	12.0	89	
14	29.2	28.8	26.5	28.2	70	64	76	70	12.0	111	
15	28.3	28.3	28.5	28.4	75	64	78	72	11.7	69	
16	29.7	29.7	29.9	29.8	76	61	81	73	11.2	143	
17	28.9	32.9	30.2	30.7	73	67	81	74	11.8	238	
18	29.7	28.2	27.0	28.3	75	61	73	70	11.6	235	
19	21.9	24.0	23.7	23.2	54	52	66	57	12.0	169	
20	22.8	25.0	25.6	24.5	60	59	73	64	10.0	95	
21	26.2	27.5	26.1	26.6	68	58	73	66	12.0	97	
22	27.7	28.3	29.1	28.4	71	66	83	73	12.0	140	
23	27.4	27.7	26.6	27.2	70	63	76	70	12.0	237	
24	25.3	24.6	24.0	24.6	64	55	69	63	11.8	238	
25	23.2	25.4	25.2	24.6	63	61	75	66	11.9	92	
26	27.3	27.9	28.2	27.8	74	68	83	75	10.6	66	
27	28.7	28.7	28.2	28.5	73	74	82	76	11.9	68	
28	28.1	29.7	28.1	28.6	74	66	80	73	11.7	90	
29	25.5	25.1	27.0	25.9	68	60	73	67	11.7	87	
30	27.8	23.0	25.3	25.4	72	51	71	65	11.5	101	
31	25.9	24.5	20.6	23.7	66	53	61	60	11.2	171	
	26.66	27.21	26.56	26.81	68.2	60.8	74.9	67.9	11.54	149.64	

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from reading of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

AUGUST 1961

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2st-cu	2st-cu	0	1.3	5sw	5sw	5sw	light	H; a.m. p.m. D; p.m.
2	1ci-cu	3ci-cu	1ci-cu	1.7	5sw	6sw	3sw	,,	H; a.m. p.m.
3	1st-ci	2cu-ci	0	1.0	4sw	4sw	4sw	,,	H: a.m. p.m. D; p.m.
4	6cu-st	2cu-ci	2st-cu	3.3	3sw	4sw	2sw	,,	D; p.m.
5	2cu-st	1st-cu	0	1.0	4sw	4sw	2sw	,,	H; a.m.
6	2cu-st	0	3cu-st	1.7	3n	3nw	2nw	light	H; a.m.
7	6st-cu	2st-cu	2cu-st	3.3	3sw	3nw	3nw	,,	
8	3st-cu	6cu-ci	4st-cu	4.3	4sw	5sw	3sw	,,	H; a.m.
9	1st-cu	9cu	5cu	5.0	3sw	3nw	1nw	,,	
10	5cu	0	0	1.7	4sw	4nw	0	,,	
11	1st	5cu-st	5st-cu	3.7	3sw	5sw	5sw	slight	H; a.m.
12	0	9st-cu	0	3.0	6sw	4sw	1sw	light	H; a.m. D; p.m.
13	0	0	0	0.0	4sw	3sw	3sw	,,	
14	6st-cu	0	0	2.0	3sw	3sw	3sw	,,	
15	2st-cu	0	0	0.7	3sw	3w	1w	,,	
16	9st	0	5st-cu	4.7	3sw	4sw	1sw	light	H; a.m. D; p.m.
17	0	1st	0	0.3	4sw	4sw	3sw	,,	
18	5st-cu	0	3st-cu	2.7	5sw	4sw	3sw	,,	H; a.m.
19	1st	2cu-ci	5cu	2.7	3sw	3w	3w	,,	
20	1st	3cu-ci	0	2.0	3w	3w	0	,,	
21	0	0	0	0.0	3sw	3w	2w	light	
22	5cu-st	1ci-cu	10st-cu	5.3	3sw	4sw	2sw	,,	D; p.m.
23	1st	2st-cu	1ci	1.3	5sw	4sw	5sw	,,	
24	0	1st-cu	10st-cu	3.7	6sw	5sw	4sw	slight	H; a m.
25	0	0	0	0.0	1ne	2nw	0	light	
26	0	9cu-st	0	3.0	2ne	3nw	0	light	H; a.m. D; p.m.
27	8st-cu	10st	4cu-st	7.3	3sw	1n	0	,,	H; a.m. p.m. D; p.m
28	0	1stcu	0	0.3	3sw	3w	0	,,	H; a.m. D; p.m.
29	0	0	0	0.0	3ne	2ne	3ne	,,	H; a.m.
30	0	0	0	0.0	2nw	3w	3sw	,,	H; a.m.
31	1st-cu	4st-cu	2cu	2.3	5sw	5sw	4sw	slight	H; a.m.
				2.23					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	3	0	0	0	25	1	1	0	31
14:30	1	1	0	0	0	17	6	6	0	31
20:30	0	1	0	0	0	18	3	3	6	31
Total	2	5	0	0	0	60	10	10	6	93

Number of days with rain 0, fog 0, Thunderstorms 0, gale 0

71-yrs. average number of days with rain during month 0.18